INTERNATIONAL JOURNAL OF MASS SPECTROMETRY AND ION PROCESSES, VOLUME 84 (1988)

AUTHOR INDEX

Adams, N.G. 243
Armentrout, P.B. 157

Balazs, L. 255
Becker, S. 121
Bernard, D.M. 215
Biggerstaff, J. 283
Birkinshaw, K. 283
Bohme, D.K. 69
Boyd, R.K. 47
Brenton, A.G. 203, 211
Burgers, P.C. R1
Burley, J.D. 157

Cacace, F. 17
Cooks, R.G. 89
Crestoni, M.E. 17

Dawson, P.H. 185
De Wolf, M. 255
Dheandhanoo, S. 1
Dietze, H.-J. 121

Fishel, D.L. R7
Fornarini, S. 17
Futrell, J.H. 283

Gabrielli, R. 17
Gijbels, R. 255
Guevremont, R. 47

Hamdan, M. 203, 211
Hand, O.W. 89
Harris, F.M. 33
Hayakawa, S. 113
Heerma, W. R1
Herd, C.R. 243
Holmes, J.L. 331
Hop, C.E.C.A. 331
Howard, S. 283
Hunt, J.E. R7

Jochum, K.P. 101
Juhasz, P. 255

Kebarle, P. 135
Kitagawa, T. 305, 319
Kogo, M. 113
Kulik, W. R1

Laue, H.-J. 231
Levin, I. 271
Lifshitz, C. 271

Martinez, G. 221
Martinez, R.I. 1
Matsumoto, A. 113
Matus, L. 101
Mori, Y. 305, 319

Nicol, G. 135

Pan, Y. 293
Peres, T. 271

Reid, C.J. 33
Rejwan, M. 271
Ridge, D.P. 293
Rockwood, A.L. 293

Salehpour, M. R7
Sancho, M. 221
Seifert, G. 121
Seufert, M. 101
Shukla, A. 283
Smith, D. 243
Stace, A.J. 215
Sugiura, T. 113
Sunner, J. 135

Terlouw, J.K. R1

Vertes, A. 255

Wincel, H. 69
Winger, B.E. 89
Włodek, S. 69
Wollnik, H. 231

INTERNATIONAL JOURNAL OF MASS SPECTROMETRY AND ION PROCESSES, VOLUME 84 (1988)

SUBJECT INDEX

absolute cross-section measurements
— in XQQ instruments: $Ar^+ + N_2 \rightarrow Ar + N_2^+$ 1
acetic acid dimer and trimer
mass spectrometric studies on hydrogen-bonded clusters produced via supersonic expansions. IV. Temperature-dependent fragmentations in the electron-impact ionization of — 305
acetic acid trimer and mono–dimer–trimer distribution
mass spectrometric studies on hydrogen-bonded clusters produced via supersonic expansions. V. Mass spectra of — 319
acetonitrile
— in gas-phase ion/molecule chemistry 69
β-alanine
the ion–dipole complex $[CH_2{=}NH_2/H_2O]^+$: its generation as a stable species in the gas phase from potonated — R1
$Ar^+ + N_2 \rightarrow Ar + N_2^+$
absolute cross-section measurements in XQQ instruments: — 1
$Ar^+(^2P_{1/2})$
quenching of — at high pressures in an electron-impact ion source 283
atomic ions
desorption of valine molecular ions using fast incident — and polyatomic ions R7

n-butanoic acid clusters
intramolecular ion/molecule reactions in clusters. Evidence of multiple McLafferty rearrangements in protonated — 215

carbon base
kinetics and thermodynamics of protonation reactions: $H_3O^+(H_2O)_h + B = BH^+(H_2O)_b + (h - b + 1)\ H_2O$, where B is a nitrogen, oxygen or — base 135
carbon cluster ions
— in laser-induced plasma 121
cationic aromatic silylation
— in the gas phase 17
CCl_3 and CCl_2Br
studies of dissociative electron attachment to the free radicals — using the FALP apparatus 243

$[CH_2{=}NH_2/H_2O]^+$
the ion–dipole complex —: its generation as a stable species in the gas phase from protonated β-alanine R1
clusters
intramolecular ion/molecule reactions in —. Evidence of multiple McLafferty rearrangements in protonated *n*-butanoic acid clusters 215
CN^+
single-electron capture cross-sections determined from measurements of target-ion flux: relative cross-sections for —, OH^+, CO^+, CS^+, H^+, H_2^+, CS_2^{2+}, and rare-gas ions in 4 keV collisions with rare-gas atoms 33
CO^+
single-electron capture cross-sections determined from measurements of target-ion flux: relative cross-sections for CN^+, OH^+, —, CS^+, H^+, H_2^+, CS_2^{2+}, and rare-gas ions in 4 keV collisions with rare-gas atoms 33
$C^+(^2P) + O_2$
kinetic energy dependence of — from thermal energies to 35 eV c.m. 157
CS^+
single-electron capture cross-sections determined from measurements of target-ion flux: relative cross-sections for CN^+, OH^+, CO^+, —, H^+, H_2^+, CS_2^{2+}, and rare-gas ions in 4 keV collisions with rare-gas atoms 33
CS_2^{2+}
single-electron capture cross-sections determined from measurements of target-ion flux: relative cross-sections for CN^+, OH^+, CO^+, CS^+, H^+, H_2^+, —, and rare-gas ions in 4 keV collisions with rare-gas atoms 33
cylindrical electrostatic lenses
non-linear optimization of — 255

dissociative electron attachment
studies of — to the free radicals CCl_3 and CCl_2Br using the FALP apparatus 243

electrostatic lenses
calculation of space-charge effects in — 221
electrostatic lenses
non-linear optimization of cylindrical — 255

fragmentation
the effects of primary ion energy on the extent of — in desorption ionization mass spectrometry 89

H^+
single-electron capture cross-sections determined from measurements of target-ion flux: relative cross-sections for CN^+, OH^+, CO^+, CS^+, —, H_2^+, CS_2^{2+}, and rare-gas ions in 4 keV collisions with rare-gas atoms 33

H_2^+
single-electron capture cross-sections determined from measurements of target-ion flux: relative cross-sections for CN^+, OH^+, CO^+, CS^+, H^+, —, CS_2^{2+}, and rare-gas ions in 4 keV collisions with rare-gas atoms 33

$H_2 + H_2$ collisions
positive and negative ion formation in moderate-energy — 113

harmonic signal enhancement
— in ion cyclotron resonance mass spectrometry using multiple electrode detection 293

He
translational energy spectroscopy of excited O^+ in collision with —, Kr and O_2 203

hybrid tandem mass spectrometer of BEqQ configuration
operation of a — in scan modes using uncoupled analysers 47

hydrogen-bonded clusters
mass spectrometric studies on — produced via supersonic expansions. IV. Temperature-dependent fragmentations in the electron-impact ionization of acetic acid dimer and trimer 305

hydrogen-bonded clusters
mass spectrometric studies on — produced via supersonic expansions. V. Mass spectra of acetic acid trimer and monomer–dimer–trimer distribution 319

hydrogen dichloride anion, $[ClHCl]^-$
charge reversal of the — 331

ion cyclotron resonance mass spectrometry
harmonic signal enhancement in — using multiple electrode detection 293

ion yield
— of a laser plasma mass spectrometer 101

isotope ratio measurements
a new filter supplement for — 231

kinetics and thermodynamics of protonation reactions
—: $H_3O^+(H_2O)_h + B = BH^+(H_2O)_b + (h - b + 1)\ H_2O$, where B is a nitrogen, oxygen or carbon base 135

Kr
translational energy spectroscopy of excited O^+ in collision with He, — and O_2 203

laser-induced plasma
carbon cluster ions in — 121

laser plasma mass spectrometer
ion yield of a — 101

multiple electrode detection
harmonic signal enhancement in ion cyclotron resonance mass spectrometry using — 293

NH_2^{2+} experimentally observed excited states of the dication — 211

nitrogen base
kinetics and thermodynamics of protonation reactions: $H_3O^+(H_2O)_h + B = BH^+(H_2O)_b + (h - b + 1)\ H_2O$, where B is a —, oxygen or carbon base 135

nitromethane cation
unimolecular fragmentations of the — 271

O^+
translational energy spectroscopy of excited — in collision with He, Kr and O_2 203

O_2
translational energy spectroscopy of excited O^+ in collision with He, Kr and — 203

OH^+
single-electron capture cross-sections determined from measurements of target-ion flux: relative cross-sections for CN^+, —, CO^+, CS^+, H^+, H_2^+, CS_2^{2+}, and rare-gas ions in 4 keV collisions with rare-gas atoms 33

oxygen base
kinetics and thermodynamics of protonation reactions: $H_3O^+(H_2O)_h + B = BH^+(H_2O)_b + (h - b + 1)\ H_2O$, where B is a nitrogen, — or carbon base 135

polyatomic ions
desorption of valine molecular ions using fast incident atomic and — R7

positive and negative ion formation
— in moderate-energy $H_2 + H_2$ collisions 113

primary ion energy
the effects of — on the extent of fragmentation in desorption ionization mass spectrometry 89

protonation reactions
kinetics and thermodynamics of —: $H_3O^+(H_2O)_h + B = BH^+(H_2O)_b + (h - b + 1)\ H_2O$, where B is a nitrogen, oxygen or carbon base 135

quadrupole mass filters
— with bent or bowed rod sets 185

rare-gas atoms
single-electron capture cross-sections determined from measurements of target-ion flux: relative cross-sections for CN^+, OH^+, CO^+, CS^+, H^+, H_2^+, CS_2^{2+}, and rare-gas ions in 4 keV collisions with — 33
rare-gas ions
single-electron capture cross-sections determined from measurements of target-ion flux: relative cross-sections for CN^+, OH^+, CO^+, CS^+, H^+, H_2^+, CS_2^{2+}, and — in 4 keV collisions with rare-gas atoms 33

single-electron capture cross-sections
— determined from measurements of target-ion flux: relative cross-sections for CN^+, OH^+, CO^+, CS^+, H^+, H_2^+, CS_2^{2+}, and rare-gas ions in 4 keV collisions with rare-gas atoms 33
space-charge effects
calculation of — in electrostatic lenses 221
supersonic expansions
mass spectrometric studies on hydrogen-bonded clusters produced via —. IV. Temperature-dependent fragmentations in the electron-impact ionization of acetic acid dimer and trimer 305
supersonic expansions
mass spectrometric studies on hydrogen-bonded clusters produced via —. V. Mass spectra of acetic acid trimer and monomer–dimer–trimer distribution 319

target-ion flux
single-electron capture cross-sections determined from measurements of —: relative cross-sections for CN^+, OH^+, CO^+, CS^+, H^+, H_2^+, CS_2^{2+}, and rare-gas ions in 4 keV collisions with rare-gas atoms 33

valine molecular ions
desorption of — using fast incident atomic and polyatomic ions R7

XQQ instruments
absolute cross-section measurements in —: $Ar^+ + N_2 \rightarrow Ar + N_2^+$ 1